SHIPRAMA CONSULTING ENGINEERS PRIVATE LIMITED
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TEST REPORT ON CONCRETE CUBES

Date.	: 28.04.2023
Client Name	: Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92
***Contractor Name**	: M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043
Project Name	: Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and
Letter Reference	BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022
PMC Name	: Shiprama Consulting Engineers
Technical Reference	: IS 516 - 1959 RA 2018
Material description	: Cement Concrete
Age of Concrete	: 28 Days
Grade of Concrete	: M30

TEST RESULTS

Sl.No / Identification	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	31.03.2023	28.04.2023	8.290	736.7	32.74
2	31.03.2023	28.04.2023	8.300	743.6	33.05
3	31.03.2023	28.04.2023	8.322	753.2	33.48

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1048, 8th Block Extension ,Gangubai Hangal Road, Sir M. Vishveshwaraiah Layout, Near Gidadakonenahalli
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TEST REPORT ON CONCRETE CUBES

Date.	: 28.04.2023
Client Name	: Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92
***Contractor Name**	: M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043
Project Name	: Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and
Letter Reference	BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022
PMC Name	: Shiprama Consulting Engineers
Technical Reference	: IS 516 - 1959 RA 2018
Material description	: Cement Concrete
Age of Concrete	: 28 Days
Grade of Concrete	: M30

TEST RESULTS

Sl.No / Identification	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	31.03.2023	28.04.2023	8.310	738.7	32.83
2	31.03.2023	28.04.2023	8.312	742.5	33.00
3	31.03.2023	28.04.2023	8.320	726.9	32.31

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TEST REPORT ON CONCRETE CUBES

Date.	: 26.04.2023
Client Name	: Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92
***Contractor Name**	: M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043
Project Name	: Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and
Letter Reference	BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022
PMC Name	: Shiprama Consulting Engineers
Technical Reference	: IS 516 - 1959 RA 2018
Material description	: Cement Concrete
Age of Concrete	: 28 Days
Grade of Concrete	: M30

TEST RESULTS

Sl.No / Identification	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.03.2023	26.04.2023	8.310	756.2	33.61
2	29.03.2023	26.04.2023	8.323	743.2	33.03
3	29.03.2023	26.04.2023	8.339	750.5	33.36

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TEST REPORT ON CONCRETE CUBES

Date.	: 26.04.2023
Client Name	: Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92
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Project Name	: Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and
Letter Reference	BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022
PMC Name	: Shiprama Consulting Engineers
Technical Reference	: IS 516 - 1959 RA 2018
Material description	: Cement Concrete
Age of Concrete	: 28 Days
Grade of Concrete	: M30

TEST RESULTS

Sl.No / Identification	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.03.2023	26.04.2023	8.350	751.8	33.41
2	29.03.2023	26.04.2023	8.335	720.3	32.01
3	29.03.2023	26.04.2023	8.312	722.8	32.12

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TEST REPORT ON AGGREGATE IMPACT VALUE OF WET MIX MACADAM

Date. :9-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :9-1-2023

Date of testing :9-1-2023

TEST RESULTS

Sl No.	Details	Trial No.			Average
		1	2	3	
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	386	375	385	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	86	83	85	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	300	292	300	
4	Aggregate Impact value = percent fines	22.28	22.13	22.08	
	100* (W_2/W_1)%				22.16

Remarks: Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%

Notes:-

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TEST REPORT ON AGGREGATE IMPACT VALUE OF WET MIX MACADAM

Date. :14-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :14-1-2023

Date of testing :14-1-2023

TEST RESULTS

Sl No.	Details	Trial No.			Average
		1	2	3	
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	385	374	384	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	85	83	84	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	300	291	300	
4	Aggregate Impact value = percent fines	22.08	22.19	21.88	
	100* (W_2/W_1)%				22.05

Remarks: Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%

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TEST REPORT ON AGGREGATE IMPACT VALUE OF WET MIX MACADAM

Date. :17-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :17-1-2023

Date of testing :17-1-2023

TEST RESULTS

Sl No.	Details	Trial No.			Average
		1	2	3	
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	380	371	382	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	80	82	85	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	300	289	297	
4	Aggregate Impact value = percent fines	21.05	22.10	22.25	
	100* (W_2/W_1)%				21.80

Remarks: Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%

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#1078, 8th Block, Extension, Hirigubai Hangal Road, Sir M. Vishveshwaraiah Layout, Near Gidadakonenahalli
Bengaluru-560091.Mob:9886212878 Ph.: 080 29554444 | Email: shiprama888@gmail.com |

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TEST REPORT ON AGGREGATE IMPACT VALUE OF WET MIX MACADAM

Date. :21-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :21-1-2023

Date of testing :21-1-2023

TEST RESULTS

Sl No.	Details	Trial No.			Average
		1	2	3	
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	384	374	382	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	82	82	85	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	302	292	297	
4	Aggregate Impact value = percent fines	21.35	21.93	22.25	
	100* (W_2/W_1)%				21.84

Remarks: Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%

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TEST REPORT ON AGGREGATE IMPACT VALUE OF WET MIX MACADAM

Date. :24-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022
PMC Name : Shiprama Consulting Engineers
Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13
Material description : Wet Mix Macadam

Date of Reciept of :24-1-2023
Date of testing :24-1-2023

TEST RESULTS

Sl No.	Details	Trial No. 1	Trial No. 2	Trial No. 3	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	388	379	378	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	88	85	84	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	300	294	294	
4	Aggregate Impact value = percent fines	22.68	22.43	22.22	
	100* (W_2/W_1)%				22.44

Remarks: Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%

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TEST REPORT ON AGGREGATE IMPACT VALUE OF WET MIX MACADAM

Date. :27-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :27-1-2023

Date of testing :27-1-2023

TEST RESULTS

Sl No.	Details	Trial No.			Average
		1	2	3	
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	379	375	380	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	80	81	85	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	299	294	295	
4	Aggregate Impact value = percent fines	21.11	21.60	22.37	
	100* (W_2/W_1)%				21.69

Remarks: Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%

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TEST REPORT ON FLAKINESS & ELONGATION OF WET MIX MACADAM

Date. :9-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS:2386(part 1)-1963 RA 2016, MORTH Table 400-12

Material description : Wet Mix Macadam

Date of Reciept of :9-1-2023

Date of testing :9-1-2023

TEST RESULTS

Sl. No.	Particulars	Test Results	Standards as per Specifications As per MORTH Table 400-12
1	Flakiness Index	15.20%	Maximum allowable Flakiness & Elongation Index for Wet Mix macadam is 35%
2	Elongation Index	11.35%	
	Combined Flakiness & Elongation	**26.55%**	

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ISO 9001:2015 Certified Company

TEST REPORT ON FLAKINESS & ELONGATION OF WET MIX MACADAM

Date.	:9-1-2023
Client Name	: Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92
***Contractor Name**	: M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043
Project Name	: Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.
Letter Reference	:BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022
PMC Name	: Shiprama Consulting Engineers
Technical Reference	: IS:2386(part 1)-1963 RA 2016, MORTH Table 400-12
Material description	: Wet Mix Macadam
Date of Reciept of	:9-1-2023
Date of testing	:9-1-2023

TEST RESULTS

Sl. No.	Particulars	Test Results	Standards as per Specifications As per MORTH Table 400-12
1	Flakiness Index	16.20%	Maximum allowable Flakiness & Elongation Index for Wet Mix macadam is 35%
2	Elongation Index	12.40%	
	Combined Flakiness & Elongation	**28.60%**	

Notes:-

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1048, 8th Block Extension ,Gangubai Hangal Road, Sir M. Vishveshwaraiah Layout, Near Gidadakonenahalli
Bengaluru-560091.Mob:9886212878 Ph.: 080 29554444 | Email: shiprama888@gmail.com |

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TEST REPORT ON FLAKINESS & ELONGATION OF WET MIX MACADAM

Date. :9-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92

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Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS:2386(part 1)-1963 RA 2016, MORTH Table 400-12

Material description : Wet Mix Macadam

Date of Reciept of :9-1-2023

Date of testing :9-1-2023

TEST RESULTS

Sl. No.	Particulars	Test Results	Standards as per Specifications As per MORTH Table 400-12
1	Flakiness Index	16.30%	Maximum allowable Flakiness & Elongation Index for Wet Mix macadam is 35%
2	Elongation Index	12.35%	
	Combined Flakiness & Elongation	**28.65%**	

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Date. :9-1-2023

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***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS:2386(part 1)-1963 RA 2016, MORTH Table 400-12

Material description : Wet Mix Macadam

Date of Reciept of :9-1-2023

Date of testing :9-1-2023

TEST RESULTS

Sl. No.	Particulars	Test Results	Standards as per Specifications As per MORTH Table 400-12
1	Flakiness Index	17.20%	Maximum allowable Flakiness & Elongation Index for Wet Mix macadam is 35%
2	Elongation Index	12.50%	
	Combined Flakiness & Elongation	**29.70%**	

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PMC Name : Shiprama Consulting Engineers

Technical Reference : IS:2386(part 1)-1963 RA 2016, MORTH Table 400-12

Material description : Wet Mix Macadam

Date of Reciept of :9-1-2023

Date of testing :9-1-2023

TEST RESULTS

Sl. No.	Particulars	Test Results	Standards as per Specifications As per MORTH Table 400-12
1	Flakiness Index	17.40%	Maximum allowable Flakiness & Elongation Index for Wet Mix macadam is 35%
2	Elongation Index	13.35%	
	Combined Flakiness & Elongation	**30.75%**	

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Date. :9-1-2023

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***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

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PMC Name : Shiprama Consulting Engineers

Technical Reference : IS:2386(part 1)-1963 RA 2016, MORTH Table 400-12

Material description : Wet Mix Macadam

Date of Reciept of :9-1-2023

Date of testing :9-1-2023

TEST RESULTS

Sl. No.	Particulars	Test Results	Standards as per Specifications As per MORTH Table 400-12
1	Flakiness Index	17.60%	Maximum allowable Flakiness & Elongation Index for Wet Mix macadam is 35%
2	Elongation Index	13.10%	
	Combined Flakiness & Elongation	**30.70%**	

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TEST REPORT ON FLAKINESS & ELONGATION OF WET MIX MACADAM

Date. :17-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

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PMC Name : Shiprama Consulting Engineers

Technical Reference : IS:2386(part 1)-1963 RA 2016, MORTH Table 400-12

Material description : Wet Mix Macadam

Date of Reciept of :17-1-2023

Date of testing :17-1-2023

TEST RESULTS

Sl. No.	Particulars	Test Results	Standards as per Specifications As per MORTH Table 400-12
1	Flakiness Index	18.60%	Maximum allowable Flakiness & Elongation Index for Wet Mix macadam is 35%
2	Elongation Index	12.10%	
	Combined Flakiness & Elongation	**30.70%**	

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TEST REPORT ON FLAKINESS & ELONGATION OF WET MIX MACADAM

Date. :17-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92

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PMC Name : Shiprama Consulting Engineers

Technical Reference : IS:2386(part 1)-1963 RA 2016, MORTH Table 400-12

Material description : Wet Mix Macadam

Date of Reciept of :17-1-2023

Date of testing :17-1-2023

TEST RESULTS

Sl. No.	Particulars	Test Results	Standards as per Specifications As per MORTH Table 400-12
1	Flakiness Index	17.65%	Maximum allowable Flakiness & Elongation Index for Wet Mix macadam is 35%
2	Elongation Index	13.50%	
	Combined Flakiness & Elongation	**31.15%**	

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TEST REPORT ON FLAKINESS & ELONGATION OF WET MIX MACADAM

Date. :17-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS:2386(part 1)-1963 RA 2016, MORTH Table 400-12

Material description : Wet Mix Macadam

Date of Reciept of :17-1-2023

Date of testing :17-1-2023

TEST RESULTS

Sl. No.	Particulars	Test Results	Standards as per Specifications As per MORTH Table 400-12
1	Flakiness Index	18.10%	Maximum allowable Flakiness & Elongation Index for Wet Mix macadam is 35%
2	Elongation Index	14.10%	
	Combined Flakiness & Elongation	**32.20%**	

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TEST REPORT ON FLAKINESS & ELONGATION OF WET MIX MACADAM

Date. :21-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS:2386(part 1)-1963 RA 2016, MORTH Table 400-12

Material description : Wet Mix Macadam

Date of Reciept of :21-1-2023

Date of testing :21-1-2023

TEST RESULTS

Sl. No.	Particulars	Test Results	Standards as per Specifications As per MORTH Table 400-12
1	Flakiness Index	18.00%	Maximum allowable Flakiness & Elongation Index for Wet Mix macadam is 35%
2	Elongation Index	13.00%	
	Combined Flakiness & Elongation	**31.00%**	

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TEST REPORT ON FLAKINESS & ELONGATION OF WET MIX MACADAM

Date. :24-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS:2386(part 1)-1963 RA 2016, MORTH Table 400-12

Material description : Wet Mix Macadam

Date of Reciept of :24-1-2023

Date of testing :24-1-2023

TEST RESULTS

Sl. No.	Particulars	Test Results	Standards as per Specifications As per MORTH Table 400-12
1	Flakiness Index	17.90%	Maximum allowable Flakiness & Elongation Index for Wet Mix macadam is 35%
2	Elongation Index	12.80%	
	Combined Flakiness & Elongation	**30.70%**	

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PMC Name : Shiprama Consulting Engineers

Technical Reference : IS:2386(part 1)-1963 RA 2016, MORTH Table 400-12

Material description : Wet Mix Macadam

Date of Reciept of :24-1-2023

Date of testing :24-1-2023

TEST RESULTS

Sl. No.	Particulars	Test Results	Standards as per Specifications As per MORTH Table 400-12
1	Flakiness Index	18.80%	Maximum allowable Flakiness & Elongation Index for Wet Mix macadam is 35%
2	Elongation Index	13.50%	
	Combined Flakiness & Elongation	**32.30%**	

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TEST REPORT ON FLAKINESS & ELONGATION OF WET MIX MACADAM

Date. :27-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92

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Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS:2386(part 1)-1963 RA 2016, MORTH Table 400-12

Material description : Wet Mix Macadam

Date of Reciept of :27-1-2023

Date of testing :27-1-2023

TEST RESULTS

Sl. No.	Particulars	Test Results	Standards as per Specifications As per MORTH Table 400-12
1	Flakiness Index	19.00%	Maximum allowable Flakiness & Elongation Index for Wet Mix macadam is 35%
2	Elongation Index	13.80%	
	Combined Flakiness & Elongation	**32.80%**	

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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

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TEST REPORT ON FLAKINESS & ELONGATION OF WET MIX MACADAM

Date. :27-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS:2386(part 1)-1963 RA 2016, MORTH Table 400-12

Material description : Wet Mix Macadam

Date of Reciept of :27-1-2023

Date of testing :27-1-2023

TEST RESULTS

Sl. No.	Particulars	Test Results	Standards as per Specifications As per MORTH Table 400-12
1	Flakiness Index	19.10%	Maximum allowable Flakiness & Elongation Index for Wet Mix macadam is 35%
2	Elongation Index	14.00%	
	Combined Flakiness & Elongation	**33.10%**	

Notes:-

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TEST REPORT ON FLAKINESS & ELONGATION OF WET MIX MACADAM

Date. :27-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Sahakara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS:2386(part 1)-1963 RA 2016, MORTH Table 400-12

Material description : Wet Mix Macadam

Date of Reciept of :27-1-2023

Date of testing :27-1-2023

TEST RESULTS

Sl. No.	Particulars	Test Results	Standards as per Specifications As per MORTH Table 400-12
1	Flakiness Index	18.10%	Maximum allowable Flakiness & Elongation Index for Wet Mix macadam is 35%
2	Elongation Index	14.30%	
	Combined Flakiness & Elongation	**32.40%**	

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1048, 8th Block Extension ,Gangubai Hangal Road, Sir M. Vishveshwaraiah Layout, Near Gidadakonenahalli
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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :27-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :27-1-2023

Date of testing :27-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	507	507	2.96	97.04	95-100
22.4	3544	4051	23.66	76.34	60-80
11.2	3106	7157	41.79	58.21	40-60
4.75	3720	10877	63.52	36.48	25-40
2.36	2709	13586	79.33	20.67	15-30
0.6	1515	15101	88.18	11.82	8-22
0.075	1480	16581	96.82	3.18	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :24-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022
PMC Name : Shiprama Consulting Engineers
Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13
Material description : Wet Mix Macadam
Date of Reciept of :24-1-2023
Date of testing :24-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	508	508	2.97	97.03	95-100
22.4	3574	4082	23.84	76.16	60-80
11.2	3189	7271	42.46	57.54	40-60
4.75	3725	10996	64.21	35.79	25-40
2.36	2809	13805	80.61	19.39	15-30
0.6	1615	15420	90.04	9.96	8-22
0.075	1515	16935	98.89	1.11	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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1048, 8th Block Extension ,Gangubai Hangal Road, Sir M. Vishveshwaraiah Layout, Near Gidadakonenahalli
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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :27-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :27-1-2023

Date of testing :27-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	505	505	2.95	97.05	95-100
22.4	3574	4079	23.82	76.18	60-80
11.2	3170	7249	42.33	57.67	40-60
4.75	3710	10959	63.99	36.01	25-40
2.36	2800	13759	80.34	19.66	15-30
0.6	1603	15362	89.71	10.29	8-22
0.075	1400	16762	97.88	2.12	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :14-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :14-1-2023

Date of testing :14-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	519	519	3.03	96.97	95-100
22.4	3564	4083	23.84	76.16	60-80
11.2	3155	7238	42.27	57.73	40-60
4.75	3735	10973	64.08	35.92	25-40
2.36	2807	13780	80.47	19.53	15-30
0.6	1630	15410	89.99	10.01	8-22
0.075	1520	16930	98.86	1.14	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :14-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022
PMC Name : Shiprama Consulting Engineers
Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13
Material description : Wet Mix Macadam
Date of Reciept of :14-1-2023
Date of testing :14-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	515	515	3.01	96.99	95-100
22.4	3564	4079	23.82	76.18	60-80
11.2	3135	7214	42.13	57.87	40-60
4.75	3730	10944	63.91	36.09	25-40
2.36	2815	13759	80.34	19.66	15-30
0.6	1620	15379	89.80	10.20	8-22
0.075	1525	16904	98.71	1.29	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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Bengaluru-560091.Mob:9886212878 Ph.: 080 29554444 | Email: shiprama888@gmail.com |

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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :17-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :17-1-2023

Date of testing :17-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	520	520	3.04	96.96	95-100
22.4	3574	4094	23.91	76.09	60-80
11.2	3152	7246	42.31	57.69	40-60
4.75	3765	11011	64.30	35.70	25-40
2.36	2811	13822	80.71	19.29	15-30
0.6	1515	15337	89.56	10.44	8-22
0.075	1615	16952	98.99	1.01	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :17-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :17-1-2023

Date of testing :17-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	525	525	3.07	96.93	95-100
22.4	3475	4000	23.36	76.64	60-80
11.2	3192	7192	42.00	58.00	40-60
4.75	3715	10907	63.69	36.31	25-40
2.36	2708	13615	79.50	20.50	15-30
0.6	1616	15231	88.94	11.06	8-22
0.075	1525	16756	97.85	2.15	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :17-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022
PMC Name : Shiprama Consulting Engineers
Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13
Material description : Wet Mix Macadam
Date of Reciept of :17-1-2023
Date of testing :17-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	522	522	3.05	96.95	95-100
22.4	3489	4011	23.42	76.58	60-80
11.2	3200	7211	42.11	57.89	40-60
4.75	3630	10841	63.31	36.69	25-40
2.36	2710	13551	79.13	20.87	15-30
0.6	1525	15076	88.04	11.96	8-22
0.075	1425	16501	96.36	3.64	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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1048, 8th Block Extension ,Gangubai Hangal Road, Sir M. Vishveshwaraiah Layout, Near Gidadakonenahalli
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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :17-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :17-1-2023

Date of testing :17-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	528	528	3.08	96.92	95-100
22.4	3674	4202	24.54	75.46	60-80
11.2	3201	7403	43.23	56.77	40-60
4.75	3730	11133	65.01	34.99	25-40
2.36	2800	13933	81.36	18.64	15-30
0.6	1535	15468	90.32	9.68	8-22
0.075	1440	16908	98.73	1.27	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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1048, 8th Block, Extension, Gangubai Hangal Road, Sir M. Vishveshwaraiah Layout, Near Gidadakonenahalli
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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :17-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022
PMC Name : Shiprama Consulting Engineers
Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13
Material description : Wet Mix Macadam
Date of Reciept of :17-1-2023
Date of testing :17-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	530	530	3.09	96.91	95-100
22.4	3415	3945	23.04	76.96	60-80
11.2	3100	7045	41.14	58.86	40-60
4.75	3701	10746	62.75	37.25	25-40
2.36	2835	13581	79.31	20.69	15-30
0.6	1555	15136	88.39	11.61	8-22
0.075	1400	16536	96.56	3.44	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :17-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :17-1-2023

Date of testing :17-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	530	530	3.09	96.91	95-100
22.4	3415	3945	23.04	76.96	60-80
11.2	3100	7045	41.14	58.86	40-60
4.75	3701	10746	62.75	37.25	25-40
2.36	2835	13581	79.31	20.69	15-30
0.6	1555	15136	88.39	11.61	8-22
0.075	1400	16536	96.56	3.44	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :21-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :21-1-2023

Date of testing :21-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	518	518	3.02	96.98	95-100
22.4	3550	4068	23.75	76.25	60-80
11.2	3030	7098	41.45	58.55	40-60
4.75	3625	10723	62.62	37.38	25-40
2.36	2795	13518	78.94	21.06	15-30
0.6	1535	15053	87.90	12.10	8-22
0.075	1402	16455	96.09	3.91	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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TEST REPORT ON GRADATION OF WET MIX MACADAM

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Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :21-1-2023

Date of testing :21-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	512	512	2.99	97.01	95-100
22.4	3354	3866	22.58	77.42	60-80
11.2	3001	6867	40.10	59.90	40-60
4.75	3620	10487	61.24	38.76	25-40
2.36	2695	13182	76.98	23.02	15-30
0.6	1590	14772	86.26	13.74	8-22
0.075	1725	16497	96.33	3.67	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :21-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :21-1-2023

Date of testing :21-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	514	514	3.00	97.00	95-100
22.4	3485	3999	23.35	76.65	60-80
11.2	3050	7049	41.16	58.84	40-60
4.75	3660	10709	62.53	37.47	25-40
2.36	2720	13429	78.42	21.58	15-30
0.6	1590	15019	87.70	12.30	8-22
0.075	1605	16624	97.07	2.93	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :21-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :21-1-2023

Date of testing :21-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	516	516	3.01	96.99	95-100
22.4	3580	4096	23.92	76.08	60-80
11.2	3179	7275	42.48	57.52	40-60
4.75	3710	10985	64.15	35.85	25-40
2.36	2799	13784	80.49	19.51	15-30
0.6	1600	15384	89.83	10.17	8-22
0.075	1500	16884	98.59	1.41	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :21-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :21-1-2023

Date of testing :21-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	515	515	3.01	96.99	95-100
22.4	3520	4035	23.56	76.44	60-80
11.2	3190	7225	42.19	57.81	40-60
4.75	3795	11020	64.35	35.65	25-40
2.36	2825	13845	80.85	19.15	15-30
0.6	1630	15475	90.36	9.64	8-22
0.075	1402	16877	98.55	1.45	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

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1048, 8th Block Extension ,Gangubai Hangal Road, Sir M. Vishveshwaraiah Layout, Near Gidadakonenahalli
Bengaluru-560091.Mob:9886212878 Ph.: 080 29554444 | Email: shiprama888@gmail.com |

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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :24-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :24-1-2023

Date of testing :24-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	517	517	3.02	96.98	95-100
22.4	3503	4020	23.47	76.53	60-80
11.2	3105	7125	41.61	58.39	40-60
4.75	3695	10820	63.18	36.82	25-40
2.36	2785	13605	79.45	20.55	15-30
0.6	1750	15355	89.66	10.34	8-22
0.075	1320	16675	97.37	2.63	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

1048, 5th Block Extension ,Gangubai Hangal Road, Sir M. Vishveshwaraiah Layout, Near Gidadakonenahalli
Bengaluru-560091.Mob:9886212878 Ph.: 080 29554444 | Email: shiprama888@gmail.com |

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SHIPRAMA CONSULTING ENGINEERS PRIVATE LIMITED
(MECHANICAL TESTING LABORATORY DIVISION)
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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :24-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :24-1-2023

Date of testing :24-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	525	525	3.07	96.93	95-100
22.4	3415	3940	23.01	76.99	60-80
11.2	3130	7070	41.28	58.72	40-60
4.75	3699	10769	62.88	37.12	25-40
2.36	2768	13537	79.05	20.95	15-30
0.6	1510	15047	87.87	12.13	8-22
0.075	1395	16442	96.01	3.99	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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1048, 3rd Block Extension ,Gangubai Hangal Road, Sir M. Vishveshwaraiah Layout, Near Gidadakonenahalli
Bengaluru-560091.Mob:9886212878 Ph.: 080 29554444 | Email: shiprama888@gmail.com |

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SHIPRAMA CONSULTING ENGINEERS PRIVATE LIMITED
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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :24-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :24-1-2023

Date of testing :24-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	510	510	2.98	97.02	95-100
22.4	3460	3970	23.18	76.82	60-80
11.2	3106	7076	41.32	58.68	40-60
4.75	3710	10786	62.98	37.02	25-40
2.36	2799	13585	79.33	20.67	15-30
0.6	1500	15085	88.09	11.91	8-22
0.075	1468	16553	96.66	3.34	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :9-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :9-1-2023

Date of testing :9-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	530	530	3.09	96.91	95-100
22.4	3783	4313	25.19	74.81	60-80
11.2	3144	7457	43.54	56.46	40-60
4.75	3566	11023	64.37	35.63	25-40
2.36	2742	13765	80.38	19.62	15-30
0.6	1603	15368	89.74	10.26	8-22
0.075	1673	17041	99.51	0.49	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :14-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :14-1-2023

Date of testing :14-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	531	531	3.10	96.90	95-100
22.4	3574	4105	23.97	76.03	60-80
11.2	3189	7294	42.59	57.41	40-60
4.75	3720	11014	64.32	35.68	25-40
2.36	2809	13823	80.72	19.28	15-30
0.6	1615	15438	90.15	9.85	8-22
0.075	1550	16988	99.20	0.80	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :14-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022
PMC Name : Shiprama Consulting Engineers
Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13
Material description : Wet Mix Macadam
Date of Reciept of :14-1-2023
Date of testing :14-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	532	532	3.11	96.89	95-100
22.4	3574	4106	23.98	76.02	60-80
11.2	3189	7295	42.60	57.40	40-60
4.75	3721	11016	64.33	35.67	25-40
2.36	2810	13826	80.74	19.26	15-30
0.6	1615	15441	90.17	9.83	8-22
0.075	1510	16951	98.98	1.02	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :9-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :9-1-2023

Date of testing :9-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	520	520	3.04	96.96	95-100
22.4	3542	4062	23.72	76.28	60-80
11.2	3164	7226	42.20	57.80	40-60
4.75	3622	10848	63.35	36.65	25-40
2.36	2858	13706	80.04	19.96	15-30
0.6	1540	15246	89.03	10.97	8-22
0.075	1651	16897	98.67	1.33	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :9-1-2023

Date of testing :9-1-2023

TEST RESULTS

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Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	519	519	3.03	96.97	95-100
22.4	3586	4105	23.97	76.03	60-80
11.2	3193	7298	42.62	57.38	40-60
4.75	3675	10973	64.08	35.92	25-40
2.36	2924	13897	81.15	18.85	15-30
0.6	1653	15550	90.80	9.20	8-22
0.075	1410	16960	99.04	0.96	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :9-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :9-1-2023

Date of testing :9-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	525	525	3.07	96.93	95-100
22.4	3753	4278	24.98	75.02	60-80
11.2	3456	7734	45.16	54.84	40-60
4.75	3785	11519	67.26	32.74	25-40
2.36	2971	14490	84.61	15.39	15-30
0.6	1099	15589	91.03	8.97	8-22
0.075	1412	17001	99.28	0.72	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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TEST REPORT ON GRADATION OF WET MIX MACADAM

Date. :9-1-2023

Client Name : Executive Engineer, Bytarayanapura Division,No 2152/20,Defence Colony,Shankara Nagara,Bangalore-92

***Contractor Name** : M/s Sri A G Narayanaswamy, no 13 Venkateshwara Layout, Horamavu, Bengaluru-560043

Project Name : Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no: 06 Bytarayanapura Sub Division.

Letter Reference :BBMP/EE/BTP/WO/80/2022-23, Dated:22-12-2022

PMC Name : Shiprama Consulting Engineers

Technical Reference : IS 2720 (Part-4)- 1985 RA 2015, MORTH Table 400-13

Material description : Wet Mix Macadam

Date of Reciept of :9-1-2023

Date of testing :9-1-2023

TEST RESULTS

Total Wt. of Aggregates in gms 17125

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Specified Limits as per MORTH Table 400-13
53	0	0	0	100	100
45	527	527	3.08	96.92	95-100
22.4	3685	4212	24.60	75.40	60-80
11.2	3278	7490	43.74	56.26	40-60
4.75	3535	11025	64.38	35.62	25-40
2.36	2769	13794	80.55	19.45	15-30
0.6	1512	15306	89.38	10.62	8-22
0.075	1565	16871	98.52	1.48	0-5

Remarks: The above tested sample satisfies MORTH Specifications as per Table 400-13

Notes:-

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